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BAdaCost: Multi-class Boosting with Costs

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Highlights

- Boosting algorithm for solving multi-class cost-sensitive problems.
- The cost matrix can be used as a tool to learn class boundaries (i.e class imbalance, detection problems, Jaccard or F1 objective problems, etc).
- Multi-class object detectors can be developed with BAdaCost resulting in faster performance than the one-vs-background usual approach (using binary detectors).
- The cost matrix can be used to improve Average Precision (AP) in multi-view object detection problems.

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